

MRDKKGPVNKRVDLNSNKLNKYSIRKFTVGTASILIGSLMYLGTQQEAEAAENNINENPTTLK
DNVQSKDEVKIEEVTNKDTAPQGVEAKSEVTSNKDTIEHEPSVKAEDISKEDTPKEVADVAE
VQPKSSVTHNAETPKVRKARSVDEGSFDITRDSKNVVESTPITIQQKEHFEYGGSVDIQKKP
TDLGVSEVTRFNVGNESNGLIGALQLKNKIDFSKDFNFKVRVANNHQSNNTGADGWGFLFSK
GNAEEYLNGGILGDKGLVNSGGFKIDTGYIYTSSMDKTEKQAGQGYRGYGAFKNDSSGNS
QMVGENIDKSNTNLFNYADNSTNTSDGKFHGQRLNDVILTYVASTGKMRAYAGKTWETSIT
DLGLSKNQAYNFLITSSQRWGLNQGINANGWMRTDLKGSEFTFTPEAPKTITELEKKVEEIP
FKKERKFNPDLAPGTEKVTRREGOKGEKTITTPTLKNPLTGVIIISKGEPKEEITKDPINELTE
YGPETIAPGHRDEFDPKLPTGEKEEVPGKPGIKNPETGDVVRPPVDSVTKYGPVKGDSIVEK
EEIPFEKERKFNPDLAPGTEKVTRREGOKGEKTITTPTLKNPLTGVIIISKGEPKEEITKDPIN
ELTEYGPETITPGHRDEFDPKLPTGEKEEVPGKPGIKNPETGDVVRPPVDSVTKYGPVKGDS
IVEKEEIPFKKERKFNPDLAPGTEKVTRREGOKGEKTITTPTLKNPLTGEIIISKGESKEEITK
DPINELTEYGPETITPGHRDEFDPKLPTGEKEEVPGKPGIKNPETGDVVRPPVDSVTKYGPV
KGDSIVEKEEIPFKKERKFNPDLAPGTEKVTRREGOKGEKTITTPTLKNPLTGEIIISKGESKE
EITKDPINELTEYGPETITPGHRDEFDPKLPTGEKEEVPGKPGIKNPETGDVVRPPVDSVTK
YGPVKGDSIVEKEEIPFEKERKFNPDLAPGTEKVTRREGOKGEKTITTPTLKNPLTGEIIISKG
ESKEEITKDPVNELTEFGGEKIPOGHKDIFDPNLPTDQTEKVPKGPGIKNPDTGKVIEEPVD
DVIKHGPKTGTPETKTVEIPFETKREFNPKLQPGEERVKQEGQPGSKTITTPITVNPLTGEK
VGEQOPTEEITKQPVDKIVEFGGEKPDKPKGPENPEKPSRPTHPSGPVNPNPNNPGLSKDRAKP
NGPVHSMDKNDKVKKSIAKESVANQEKKRAELPKTGLESTQKGLIFSSIIGIAGMLLARR
RKN

SEQ ID NO: 2 -----
 SEQ ID NO: 3 MRDKKGPVNKRVDFLSNKLNKYSIRKFTVGTASILIGSLMYLGTQQEAAENNIEPPTT

SEQ ID NO: 2 -----
 SEQ ID NO: 3 LKDNVQSKEVKIEEVTNKDTAPQGVEAKSEVTSNKDTIEHEPSVKAEDISKEDTPKEVA

SEQ ID NO: 2 -----
 SEQ ID NO: 3 DVAEVQPKSSVTHNAETPKVRKARSVDEGSFDITRDSKNVVESTPITIYGKEHFEYGGSV

SEQ ID NO: 2 -----
 SEQ ID NO: 3 DIQKKPTDLGVSEVTRFNVGNESNGLIGALQLKNKIDFSKDFNFKVRVANNHQSNNTGAD

SEQ ID NO: 2 -----
 SEQ ID NO: 3 GWGFLFSKGNAEEYLNGGILGDKGGLVNSGGFKIDTGYIYTSSMDKTEKQAGQGYRGYGA

SEQ ID NO: 2 -----MH
 SEQ ID NO: 3 FVKNDSSGNSQMVGENDKSKTNFLNYADNSTNTSDGKFHGQRLNDVILTYVASTGKMRA

SEQ ID NO: 2 HHHHHSSGLVPRGSGMKETAAAKFERQHMDSPLGTDKKAMGRDLDKGSEFTFTPEAP
 SEQ ID NO: 3 EYAGKTWETSITDLGSKNQAYNFLITSSQRWGLNQGINANGWMRTDLKGSEFTFTPEAP

SEQ ID NO: 2 KTITELEKKVEEIPFKKERKFNPDLAPGTEKVTRREGQKGEKTITTPTLKNPLTGVIIISKG
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SEQ ID NO: 2 VDSVTKYGPVKGDSDIVEKEEIPFEKERKFNPDLAPGTEKVTRREGQKGEKTITT-----
 SEQ ID NO: 3 VDSVTKYGPVKGDSDIVEKEEIPFEKERKFNPDLAPGTEKVTRREGQKGEKTITTPTLNPL

SEQ ID NO: 2 -----
 SEQ ID NO: 3 TGVIISKGEPEEITKDPINELTEYGPETITPGHRDEFDPKLPTGEKEEVPGKPGIKNPE

SEQ ID NO: 2 -----
 SEQ ID NO: 3 TGDVVRPPVDSVTKYGPVKGDSDIVEKEEIPFKKERKFNPDLAPGTEKVTRREGQKGEKTIT

SEQ ID NO: 2 -----
 SEQ ID NO: 3 TPTLNPLTGEIISKGESKEEITKDPINELTEYGPETITPGHRDEFDPKLPTGEKEEVPG

SEQ ID NO: 2 -----
 SEQ ID NO: 3 KPGIKNPETGDVVRPPVDSVTKYGPVKGDSDIVEKEEIPFKKERKFNPDLAPGTEKVTRREG

SEQ ID NO: 2 -----
 SEQ ID NO: 3 QKGEKTITTPTLKNPLTGEIISKGESKEEITKDPINELTEYGPETITPGHRDEFDPKLPT

SEQ ID NO: 2 -----
 SEQ ID NO: 3 GEKEEVPGKPGIKNPETGDVVRPPVDSVTKYGPVKGDSDIVEKEEIPFEKERKFNPDLAPG

SEQ ID NO: 2 -----
 SEQ ID NO: 3 TEKVTREGQKGEKTITTPTLKNPLTGEIISKGESKEEITKDPVNELTEFGGEKIPQGHKD

SEQ ID NO: 2 -----
 SEQ ID NO: 3 IFDPNLPTDQTEKVPKGPGIKNPDTGKVIEEPVDDVIKHGPKTGTPETKTVEIPFETKRE

SEQ ID NO: 2 -----
 SEQ ID NO: 3 FNPKLQPGEERVKQEGQPGSKTITTPITVNPLTGEKVGEQPTEEITKQPVDKIVEFGGE

SEQ ID NO: 2 -----
 SEQ ID NO: 3 KPKDPKGPNPEKPSRPTHPSGPVNPNPGLSKDRAKPNGPVHSMDKNDKVKKSIAKES

SEQ ID NO: 2 -----
 SEQ ID NO: 3 VANQEKKRAELPKTGLESTQKGLIFSSIIIGIAGLMLLARRRN

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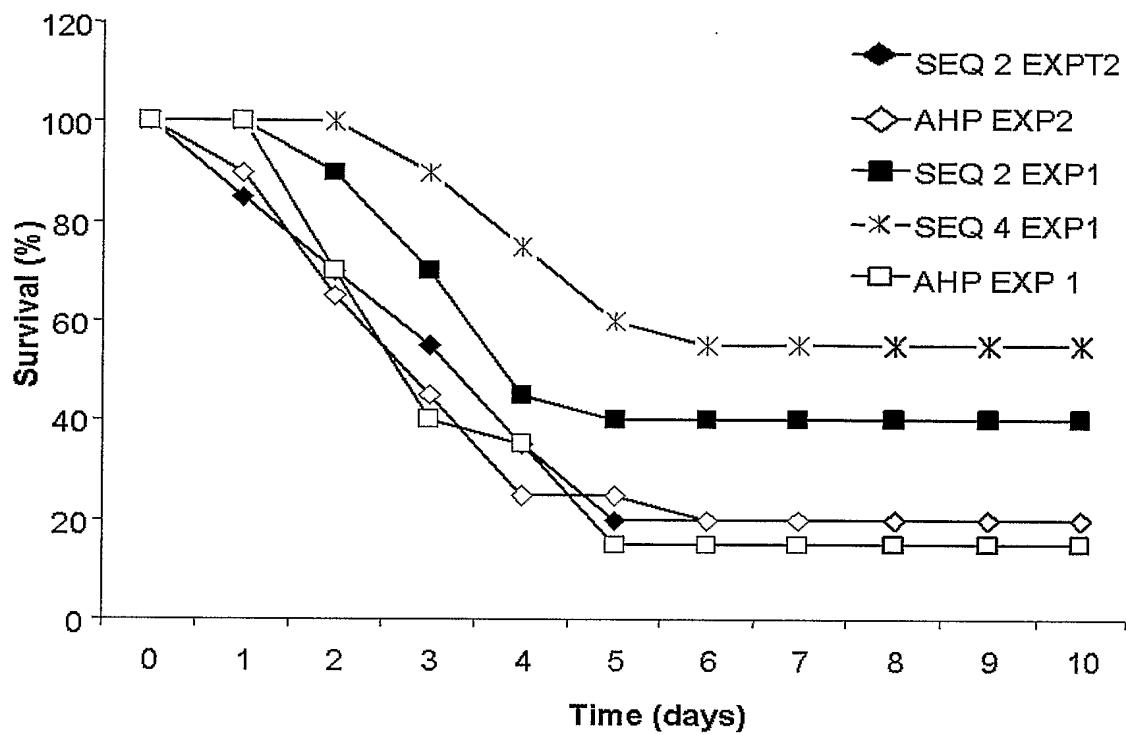


FIG. 3

MGNKQQKEFKSFYSIRKSSLGVASVAISTLLLLMSNGEAQAAAETGGTNTEAQPKTEAVASPTTSEKAPETKP
VANAVSVSNKEVEAPTSETKEAKEVKEVKAPKETKEVKPAAKATNNNTYPILNQELREAIKNPAIKDKDHSAPNSR
PIDFEMKKKDGTQQFYHYASSVKPARVIFTDSKPEIELGLQSGQFWRKFEVYEGDKKLPIKLVSYDTVKDYAYIR
FSVSNGTKAVKIVSSTHFNNKEEKYDYTLMEFAQPIYNSADKFKEEYKAEKLLAPYKKAKTLERQVYELNKIQ
DKLPEKLKAEYKKLEDTKKALDEQVKSAYTEFQNVQPTNEKMTDLQDTKYVVYESVENNESMMDTFVKHPIKTG
MLNGKKYVMVMETTNDDYWKDFMVEGQRVRTISKDAKNNTRTIIFPYVEGKTLYDAIVKVHVKTIDYDGQYHVRIV
DKEAFTKANTDKSNKEQQDNSAKKEATPATPSKPTPSVKESESQKQDSQKDDNQQLPSVEKENDASSESGKDKT
PATKPTKGEVESSSTTPKVVSTTQNVAKPTTASSKTKDVVQTTSAGSSEAKDSAPLQKANIKNNDGHTQSQNN
KNTQENKAKSLPQTGEESNKDMTLPLMALLALSSIVAFVLPRKRKNLEHHHHHH

FIG. 4

ATGCACCACATCATCATCATTCTCTGGTCTGGTGCCACGCCGGTTCTGGTATGAAAGAAACCGCTGCTGCTAA
TTCGAACGCCAGCACATGGACAGCCCAGATCTGGGTACCGACGACGACAAGGCC**ATGGG**CAGAACTGACTTG
AAAGGTTCAGAGTTACTTTACACCAGAACGCCAAAAACAATAACAGAATTAGAAAAAAAAGTTGAAGAGATT
CCATTCAAGAAAGAACGTAATTAAATCCGGATTTAGCACCAGGGACAGAAAAAGTAACAAGAGAACGGACAAAAA
GGTGAGAAGACAATAACGACACCAACACTAAAAAATCCATTAACTGGAGTAATTATTAGTAAAGGTGAACCAAAA
GAAGAGATTACAAAAGATCCGATTAATGAATTAAACAGAACGACCTGAAACAATAGCGCCAGGTACATCGAGAC
GAATTGATCCGAAGTTACCAACAGGAGAGAACAGGAAAGTCCAGGTAAACCAGGAATTAAAGAATCCAGAAACA
GGAGACGTAGTTAGACCGCCGGTCGATAGCGTAACAAAATATGACCTGTAAGGAGACTCGATTGTAGAAAAAA
GAAGAGATTCCATTGAGAAAGAACGTAAATTAAATCCGGATTTAGCACCAGGGACAGAAAAGTAACAAGAGAA
GGACAAAAAGGTGAGAAGACAATAACGACATAA

FIG. 5